

COMBINED DECLARATION AND POWER OF ATTORNEY

As the below named inventor(s), I (we) hereby declare that:

My (Our) residence, post office address and citizenship(s) are as stated below next to my (our) name(s).

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
ION-BEAM TREATMENT TO PREPARE SURFACES OF p-CdTe FILMS

the specification of which (check one)

☒ is attached hereto ☐ as filed on _____ as Serial No. _____
and was amended _____.

I (We) hereby state that I (we) have reviewed and understand the contents of the above-identified specification, including claims, as amended by any amendment referred to above.

I (We) acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I (We) hereby claim foreign priority benefits under Title 35, United States Code § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

Number	Country	Filed (Day/Month/Year)	Priority claimed
			<input type="checkbox"/> Yes <input type="checkbox"/> No

I (We) hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I (we) acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

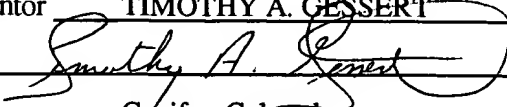
Serial No.	Filing Date	Status
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POWER OF ATTORNEY: As the named inventor(s), I (we) hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Names and Registration Nos.	Names and Registration Nos.
Ken Richardson 27,378	

<u>Send Correspondence to:</u> Ken Richardson Assistant Chief Patent Counsel National Renewable Energy Laboratory 1617 Cole Boulevard Golden, CO 80401	<u>Direct Telephone Calls to:</u> (Name and Telephone Numbers) Ken Richardson 303/384-7575
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We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of joint inventor TIMOTHY A. GESSERT
Inventor's signature  Date 9/24/97
Residence Conifer, Colorado Citizenship USA
Post Office Address 29801 Kennedy Gulch Road
Conifer, CO 80433

Full name of joint inventor _____
Inventor's signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____

Full name of joint inventor _____
Inventor's signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____

Full name of joint inventor _____
Inventor's signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____

Full name of joint inventor _____
Inventor's signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____

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RECORDATION FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE
PATENTS ONLY

Patent and Trademark Office

NREL IR# 96-48

695640 U.S. PTO
08/937721

09/25/97

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Timothy A. Gessert

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Midwest Research Institute

Internal Address: _____

Street Address: 425 Volker BoulevardCity: Kansas City State: MO ZIP: 64110

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: September 24, 1997

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 9/24/97

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Ken RichardsonInternal Address: Assistant Chief Patent CounselLegal OfficeNational Renewable Energy LaboratoryStreet Address: 1617 Cole BoulevardCity: Golden State: CO ZIP: 804016. Total number of applications and patents involved: ☐7. Total fee (37 CFR 3.41) \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

14-0640

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Ken Richardson

Name of Person Signing

Signature

September 25, 1997

Date

Total number of pages comprising cover sheet: ☐

ASSIGNMENT

WHEREAS, I, Timothy A. Gessert of 29801 Kennedy Gulch Road, Conifer, County of Jefferson, State of Colorado has invented certain new and useful improvements in **Ion-Beam Treatment to Prepare Surfaces of p-CdTe Films**, for which I am about to make application for Letters Patent of the United States, said application being identified as MRI/NREL IR No. 96-48; and; executed concurrently herewith; and;

WHEREAS, I now own the entire right, title and interest therein; and

WHEREAS, Midwest Research Institute, of 425 Volker Blvd., Kansas City, Missouri 64110, a corporation fully organized and existing under the laws of the State of Missouri is desirous of acquiring the entire right, title, and interest therein and thereto;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) and certain other good and valuable consideration to me in hand paid, the receipt of which is hereby acknowledged, I, the said Timothy A. Gessert by these presents do sell, assign, and transfer unto the said Midwest Research Institute, its successors, legal representatives and assigns, my entire right, title, and interest in and to said invention and the aforesaid application, for the United States of America and for all foreign countries and to all Letters Patents, continuations and reissues, and extensions to be obtained therefor; and I further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this assignment to Midwest Research Institute, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal on the date set forth hereinafter.

Emily E. Jackson
Witness

Timothy A. Gessert
Timothy A. Gessert

Before me, a Notary Public in and for the said County and State, personally appeared Richard K. Ahrenkiel, known to me to be the person whose name is subscribed to the foregoing, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office, this 24th day of September, 1997.

My commission expires: October 4, 1997.

Brenda E. Brantley
Brenda E. Brantley
Notary Public

[Seal]

Approved and consented to this 25th day of September, 1997.

ATTEST:

Brenda E. Brantley

MIDWEST RESEARCH INSTITUTE

By

Ken Richardson
Ken Richardson
Its Assistant Chief Patent Counsel